

and the network interface unit, the set-top electronics and network interface unit arrangement,
comprising:

5 a network interface unit having at least one network interface module adapted
for connection to an external network, a transport device, coupled to the network
interface module, for selecting a single program from a plurality of programs in a first
signal received from the external network via the network interface module, and an
internal network interface, coupled to the transport device, for interfacing to the internal
10 network, wherein the network interface unit provides a second signal that includes the
single program to the internal network; and

a set-top electronics unit having an internal network interface device adapted for
connection to the internal network for interfacing to the internal network to receive the
second signal from the network interface unit via the internal network, and a signal
15 converter coupled to the network interface device for converting the second signal as
received by the internal network interface device to a third signal that is suitable for use
by an end terminal, wherein the third signal includes information corresponding the
single program, and

wherein the set-top electronics unit is further configured to re-route the second
20 signal received from the network interface unit via the internal network by examining an

address within the second signal and rerouting the second signal if the address is different from an address assigned to the set-top electronics unit.

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~~17~~. (NEW) The arrangement of claim ~~1~~¹⁶¹, wherein the transport device is an MPEG transport device for selecting a single program transport from a multiple program transport stream in the first signal.

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~~18~~. (NEW) The arrangement of claim 2, wherein the internal network interface of the network interface unit includes an MPEG to internal network synthesizer that converts clocking of the first signal from and MPEG clocking to an internal network clocking of the second signal.

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~~19~~. (NEW) The arrangement of claim ~~1~~¹⁸, wherein the internal network interface device of the set-top electronics unit includes an internal network to MPEG synthesizer that converts clocking of the second signal from the internal network clocking to the MPEG clocking of the first signal.

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~~20~~. (NEW) The arrangement of claim ~~1~~¹⁹, wherein the internal network interface of the network interface unit is an Ethernet interface.

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~~21~~. (NEW) A set-top electronics and network interface unit arrangement comprising:

a network interface unit having at least one network interface module adapted for connection to an external network, a transport device, coupled to the network interface module, for selecting a single program from a plurality of programs in a first signal received from the external network via the network interface module, and an internal network interface, coupled to the transport device, for interfacing to an internal network, wherein the network interface unit provides a second signal that includes the single program to the internal network;

a set-top electronics unit having an internal network interface device adapted for connection to the internal network for interfacing to the internal network to receive the second signal from the network interface unit via the internal network, and a signal converter coupled to the network interface device for converting the second signal as received by the internal network interface device to a third signal that is suitable for use by an end terminal, wherein the third signal includes information corresponding to the single program; and

wherein the internal network includes a hub and a direct circuit crossbar, the internal network being configurable to selectively provide a direct circuit network connection between the set-top electronics and the network interface unit.

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22. (NEW) The arrangement of claim 1, wherein the transport device is an MPEG transport device for selecting a single program transport from a multiple program transport stream in the first signal.

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23. (NEW) The arrangement of claim 2, wherein the internal network interface of the network interface unit includes an MPEG to internal network synthesizer that converts clocking of the first signal from an MPEG clocking to an internal network clocking of the second signal.

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24. (NEW) The arrangement of claim 2, wherein the internal network interface device of the set-top electronics unit includes an internal network to MPEG synthesizer that converts clocking of the second signal from the internal network clocking to the MPEG clocking of the first signal.

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25. (NEW) The arrangement of claim 2, wherein the internal network interface of the network unit is an Ethernet interface.--